## Field or Empirical Data Often Proves Original Data Inaccurate (Taken from Recovery Plans)

American burying beetle – "The greatest recovery achievement for this species in the past two years has been the greatly expanded survey efforts in the Midwest, and the resulting discovery of beetles in eastern Oklahoma and Arkansas. A few specimens gave also been observed in north central Nebraska."



**Black-capped vireo** – "Additional territories have been found on private lands as a result of increased surveys."

American burying beetle

Cheat Mountain salamander – "Several new sites were discovered..."



Flat-spired three-toothed land snail

**Dwarf wedge mussel** – "The New York population...discovered in 1990...is believed to be one of the largest."

**Flat-spired three-toothed land snail** – "Six new sites were located in the Cooper's Rock area on both sides of the Cheat River Gorge."

**Gray bat** – "biologists in Missouri have discovered three new caves with gray bat populations.

**Johnston's frankenia** – "New populations have been found in the lower Rio Grande Valley and this species now appears to be more

abundant and widespread than previously thought."



**Key tree-cactus** – "An inventory of tree-cactus populations by a Florida Atlantic University team indicates the number to be almost 500 clumps, more than 10 times greater than previous estimates."



Johnston's frankenia

**Kev tree-cactus** 



**MacFarlane's four-o'clock** – "The discovery of additional colonies on public lands...have reduced threats to this species range wide."

**Missouri bladderpod** – "...13 new occurrences were found..."

**Navajo sedge** – "...located a significant number of previously unknown populations..."

**Northeastern bulrush** – "Listing...has focused attention leading to the discovery of seven additional populations."

Missouri bladderpod

**Ozark big-eared bat** – "Hibernacula and other new sites were discovered..."

**Ozark cavefish** – "New populations were discovered in Missouri." According to the Fish and Wildlife Service, Several new populations of Ozark Cavefish have been discovered and protected in Benton County Arkansas..."

**Palo de rosa** – "New populations of...palo de rosa have been discovered."

**Prairie bush clover** – "Several new occurrences have been recorded..."

**Running buffalo clover** – "At the time of listing in 1987 one population was known. We now are aware of 18 populations."

**Santa Cruz long-toed salamander** – "Several new populations have recently been discovered."



Swamp pink

**Swamp pink** – "Approximately 20 previously unknown populations have been discovered in New Jersey" and "Five previously unknown swamp pink occurrences have been located in Delaware." Regarding swamp pinks in North Carolina, "Most notable is the discovery of a spruce bog population consisting of 100,000 plants on Forest Service lands."



**Uinta Basin hookless cactus** 

**Uinta Basin hookless cactus** – "Possibility of delisting will be evaluated based on new information on species abundance."

**Virginia big-eared bat** – "Discovery of additional hibernacula and maternity colonies has also contributed to higher known population levels."

**Virgin Islands tree boa** - "...additional populations have recently been found..."

**Virginia northern flying squirrel** – "Numerous new captures at sites show the species to be much more abundant than thought..."

**Wright fishhook cactus** – "Population and habitat inventories have identified a greater abundance, range distribution, and additional populations of this species than originally known. Evaluation will be undertaken to consider delisting."



Wright fishhook cactus